

Date: Fri, 25 Feb 94 04:30:33 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #46
To: Ham-Ant

Ham-Ant Digest Fri, 25 Feb 94 Volume 94 : Issue 46

Today's Topics:

 A question
 Measureing field strength

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Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 24 Feb 1994 20:41:37 GMT
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!
sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!
news@network.ucsd.edu
Subject: A question
To: ham-ant@ucsd.edu

If I am given two choices as follows on some inexpensive coax at a hamfest
fleamarket which do I buyY

The cables are identical in every way, same markings, price, length, etc.

At 144 MHz, when I measure the SWR with an accurate SWR meter one cable
gives a SWR = 10 and the other gives SWR = 6. (SWR being measured at one
end and the other end open (Or shorted.)

Which cable should I buy?

Thanks for your responses.

Jack

Date: Thu, 24 Feb 1994 22:27:22 GMT
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!
vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!fc.hp.com!goris@network.ucsd.edu
Subject: Measureing field strength
To: ham-ant@ucsd.edu

I want to make some precise antenna gain measurements on 144 MHz. Can anyone recommend an instrument to do this? Typical field strength meters don't have very good resolution - I'd prefer something with a digital readout.

A while back I saw an ad in QST for a small field strength meter with a digital readout. Has anyone tried one of these?

It doesn't have to give exact dB....what I really need is a multi-digit number that is monotonic increasing with increasing field strength. Accuracy on an absolute scale is not that important - what I really need is lots of digits of precision. If the extra digits don't mean anything, that's OK - as long as they're monotonic increasing.

I want to try tweaking antennas and comparing them, where the differences in gain may be subtle (<1 dB per adjustment).

-Andy Goris
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End of Ham-Ant Digest V94 #46
